

## EAST Search History

| Ref # | Hits | Search Query                                     | DBs  | Default Operator | Plurals | Time Stamp       |
|-------|------|--|--|------------------|---------|------------------|
| S98   | 5    | stack\$4 adj line adj graph                      | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/08/31 18:09 |
| S99   | 4    | stack\$4 adj area adj graph                      | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/08/31 18:11 |
| S100  | 0    | stack\$4 adj line adj chart                      | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/08/31 18:09 |
| S101  | 278  | stack\$4 near (graph chart)                      | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/08/31 18:12 |
| S102  | 17   | S101 and "345"/\$.ccls.                          | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/08/31 18:12 |
| S103  | 31   | S101 and ("345"/\$ "715"/\$).ccls.               | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/08/31 18:30 |
| S104  | 152  | stack\$4 adj (area line bar) with (chart graph)  | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/08/31 18:30 |
| S105  | 158  | stack\$4 near (area line bar) with (chart graph) | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/08/31 18:47 |

## EAST Search History

|          |     |   |  |    |    |                  |
|----------|-----|---|--|----|----|------------------|
| S10<br>6 | 25  | S101 and S105 not (S102 S103)                                       | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/08/31 18:30 |
| S10<br>7 | 18  | stack\$4 adj area with (chart graph)                                | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/08/31 18:48 |
| S10<br>8 | 8   | stack\$4 adj line with (graph chart)                                | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/08/31 18:49 |
| S10<br>9 | 55  | stack\$4 near2 (chart graph) near8<br>(line area)                   | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/08/31 18:49 |
| S11<br>0 | 30  | S109 not (S107 S108 S106)   | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/08/31 18:52 |
| S11<br>1 | 101 | S105 not (S107 S108 S109 S110<br>S106)                              | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/08/31 18:52 |
| S11<br>2 | 152 | stack\$4 near2 (graph chart) near2<br>(bar line area proportion\$4) | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/09/13 16:12 |
| S11<br>3 | 31  | S112 and ("345"/\$ "715"/ "348"/\$<br>"382"/\$).ccls.               | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/09/13 16:24 |

## EAST Search History

|          |      |  |  |    |    |                  |
|----------|------|--|--|----|----|------------------|
| S11<br>4 | 11   | area adj line adj (graph chart)                                  | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/09/13 16:11 |
| S11<br>5 | 16   | stack\$4 adj (graph chart) with (line area)                      | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/09/13 16:15 |
| S11<br>6 | 1    | stack\$4 near2 (graph chart) near2 (bar line area proportion\$4) | USOCR  | OR | ON | 2007/09/13 16:15 |
| S11<br>7 | 141  | (area line) adj (chart graph) near4 (total proportion\$4)        | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/09/13 16:25 |
| S11<br>8 | 1    | S112 and S117 not (S113 S114 S115 S116)                          | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/09/13 16:24 |
| S11<br>9 | 137  | S117 not S112  | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/09/13 16:25 |
| S12<br>0 | 137  | S117 not (S112 S113 S114 S115 S116)                              | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/09/13 16:25 |
| S12<br>1 | 61   | S120 and percent\$4  | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/09/13 18:01 |
| S12<br>2 | 1206 | area adj graph   | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/09/13 18:01 |

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|          |      |                  |  |    |    |                  |
|----------|------|------------------|--|----|----|------------------|
| S12<br>3 | 9722 | line adj graph   | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/09/13 18:02 |
| S12<br>4 | 28   | S122 near8 total | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/09/13 18:02 |
| S12<br>5 | 95   | S123 near8 total | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/09/13 18:02 |

## EAST Search History

| Ref # | Hits | Search Query  | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|------|---|---|------------------|---------|------------------|
| L3    | 1    | (reorder\$4 ((chang\$4 alter\$3 vary\$4) near (position order rank))) near (area sub-area line segment) with (chart graph) with user  | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2007/09/14 00:06 |
| L4    | 1    | (reorder\$4 ((chang\$4 alter\$3 vary\$4) near (position order rank))) near4 (area sub-area line segment) with (chart graph) with user   | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2007/09/14 00:06 |
| L5    | 1    | (reorder\$4 reposition\$4 ((chang\$4 alter\$3 vary\$4) near (position order rank))) near4 (area sub-area line segment) with (chart graph) with user   | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2007/09/14 00:06 |
| L6    | 6    | (reorder\$4 reposition\$4 transpos\$4 transposit\$4 swap\$4 flip\$4 exchange\$4 ((interchang\$4 chang\$4 alter\$3 vary\$4) near (position order rank))) near4 (area sub-area line segment) with (chart graph) with user                             | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2007/09/14 00:09 |
| L7    | 19   | (reorder\$4 reposition\$4 transpos\$4 transposit\$4 swap\$4 flip\$4 exchange\$4 switch\$4 rearrang\$5 ((interchang\$4 chang\$4 alter\$3 vary\$4) near (position order rank))) near4 (area sub-area line segment) with (chart graph) with user       | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2007/09/14 00:08 |
| L8    | 13   | 7 not 6   | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2007/09/14 00:08 |
| L9    | 6    | (reorder\$4 reposition\$4 transpos\$4 transposit\$4 swap\$4 flip\$4 exchange\$4 interchang\$4 chang\$4 alter\$3 vary\$4) near4 (position order rank grouping layoutsequence series) near4 (area sub-area line segment) with (chart graph) with user | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2007/09/14 00:12 |

## EAST Search History

|     |     |  |   |    |    |                  |
|-----|-----|--|---|----|----|------------------|
| L10 | 6   | (reorder\$4 reposition\$4 transpos\$4 transposit\$4 swap\$4 flip\$4 exchange\$4 interchang\$4 chang\$4 alter\$3 vary\$4) near4 (position order rank grouping layout sequence series) near4 (area sub-area line segment) with (chart graph) with user | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/09/14 00:12 |
| L11 | 78  | (reorder\$4 reposition\$4 transpos\$4 transposit\$4 swap\$4 flip\$4 exchange\$4 interchang\$4 chang\$4 alter\$3 vary\$4) near4 (area sub-area line segment) with (chart graph) with user   | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/09/14 00:12 |
| L12 | 95  | (reorder\$4 reposition\$4 transpos\$4 transposit\$4 swap\$4 flip\$4 exchange\$4 interchang\$4 chang\$4 alter\$3 vary\$4 interpos\$4 interposit\$4) near4 (area sub-area line segment series) with (chart graph) with user                            | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/09/14 00:12 |
| L13 | 27  | 12 and ("345"/\$ "715"/\$).ccls.   | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/09/14 00:20 |
| L14 | 4   | 13 and (hide hiding hidden)  | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/09/14 00:23 |
| L15 | 302 | (reorder\$4 move moving moved swap\$4 drag\$4) near2 (segment area) and (hide hiding hidden) near2 (segment area)  | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/09/14 00:24 |
| L16 | 69  | (reorder\$4 move moving moved swap\$4 drag\$4) near2 (segment area) same (hide hiding hidden) near2 (segment area)   | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/09/14 00:27 |
| L17 | 96  | 15 and ("345"/\$ "715"/\$).ccls.   | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/09/14 00:24 |

## EAST Search History

|     |     |  |  |    |    |                  |
|-----|-----|--|--|----|----|------------------|
| L18 | 15  | 16 and ("345"/\$ "715"/\$).ccls.   | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/09/14 00:24 |
| L19 | 1   | 16 same (chart graph)  | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/09/14 00:25 |
| L20 | 10  | (reorder\$4 move moving moved<br>swap\$4 drag\$4 reorder\$4<br>reposition\$4 transpos\$4<br>transposit\$4 swap\$4 flip\$4<br>exchange\$4 interchang\$4 chang\$4<br>alter\$3 vary\$4 interpos\$4<br>interposit\$4) near2 (segment area)<br>same (remov\$4 hide hiding hidden)<br>near2 (segment area) same (chart<br>graph)   | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/09/14 00:28 |
| L21 | 26  | (reorder\$4 move moving moved<br>swap\$4 drag\$4 reorder\$4<br>reposition\$4 transpos\$4<br>transposit\$4 swap\$4 flip\$4<br>exchange\$4 interchang\$4 chang\$4<br>alter\$3 vary\$4 interpos\$4<br>interposit\$4) near2 (segment area<br>part portion sub-area sub-portion)<br>same (remov\$4 hide hiding hidden)<br>near2 (segment area part portion<br>sub-area sub-portion) same (chart<br>graph)         | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/09/14 00:28 |
| L22 | 416 | (reorder\$4 move moving moved<br>swap\$4 drag\$4 reorder\$4<br>reposition\$4 transpos\$4<br>transposit\$4 swap\$4 flip\$4<br>exchange\$4 interchang\$4 chang\$4<br>alter\$3 vary\$4 interpos\$4<br>interposit\$4) near2 (segment area<br>part portion sub-area sub-portion)<br>same (remov\$4 hide hiding hidden)<br>near2 (segment area part portion<br>sub-area sub-portion) same (chart<br>graph display) | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/09/14 00:33 |
| L23 | 16  | 21 not 20  | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/09/14 00:30 |

## EAST Search History

|     |      |   |  |    |    |                  |
|-----|------|---|--|----|----|------------------|
| L24 | 125  | 22 and ("345"/\$ "715"/\$).ccls.  | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/09/14 00:31 |
| L25 | 11   | 24 and user with (chart graph)  | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/09/14 00:31 |
| L26 | 2483 | (reorder\$4 move moving moved<br>swap\$4 drag\$4 reorder\$4<br>reposition\$4 transpos\$4<br>transposit\$4 swap\$4 flip\$4<br>exchange\$4 interchang\$4 chang\$4<br>alter\$3 vary\$4 interpos\$4<br>interposit\$4) near2 (segment area<br>part portion sub-area sub-portion)<br>and (remov\$4 hide hiding hidden)<br>near2 (segment area part portion<br>sub-area sub-portion) same (chart<br>graph display)                               | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/09/14 00:34 |
| L27 | 1239 | (reorder\$4 move moving moved<br>swap\$4 drag\$4 reorder\$4<br>reposition\$4 transpos\$4<br>transposit\$4 swap\$4 flip\$4<br>exchange\$4 interchang\$4 chang\$4<br>alter\$3 vary\$4 interpos\$4<br>interposit\$4) near2 (segment area<br>part portion sub-area sub-portion)<br>same (chart graph display) and<br>(remov\$4 hide hiding hidden) near2<br>(segment area part portion sub-area<br>sub-portion) same (chart graph<br>display) | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/09/14 00:34 |
| L28 | 22   | 26 and (345/440)  | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/09/14 00:34 |
| L29 | 80   | (swap\$4 alter\$4 chang\$4 vary\$4)<br>near2 (position order rank<br>placement) near3 (segment section<br>portion part sub-segment<br>sub-section sub-portion series area<br>sub-area) with (chart graph)   | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/09/14 00:43 |